

United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 10/670,563 09/26/2003 06478.1494 8137 Gerhardt Kumpe **EXAMINER** FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER ROOKE, AGNES BEATA ART UNIT PAPER NUMBER 901 NEW YORK AVENUE, NW WASHINGTON, DC 20001-4413 1653

DATE MAILED: 02/08/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, PROM THE MAILING DATE OF THIS COMMUNICATION. Enhancism of time may be available under the provision of 30° FR1 1:30°, into event, however, may a ruly by the limby offed If NO period for rigby is specified above, the maximum statistory pricried will apply and will expire SIX (8) MONTHS from the mailing date of this communication. Pallute for grey which his east or accented period for reply is specified above, the maximum statistory pricried will apply and will expire SIX (8) MONTHS from the mailing date of this communication. Pallute for grey which his east or accented period for reply will, by statistic, scene the application. Pallute for grey which his expectical distribution of the mailing date of this communication, even if timely filed, may reduce any control period time malpitumes. See 30° FR 17:40°. Status 1) Responsive to communication(s) filed on 23 November 2005. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-13,15 and 19-24 is/are pending in the application. 4a) Of the above claim(s) is a signare withdrawn from consideration. 5) Claim(s) 1-13,15 and 19 is/are allowed. 6) Claim(s) 1-13,20-24 is/are objected to. 7) Claim(s) 1-13,20-24 is/are objected to. 8) Claim(s) 11,13,20-24 is/are objected to. 8) Claim(s) 11,13,20-24 is/are objected to. 9) The specification is objected to by the Examiner. Application Papers 9) The specification is objected to by the Examiner. Application Papers 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Application Papers 11) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). 12) Acknowledgment is made of a claim for foreign pri		Application No.	Applicant(s)	
Agnes B. Rooke 1653	Office Action Summary	10/670,563	KUMPE ET AL.	
The MAILING DATE of this communication appears on the cover sheet with the correspondence address — Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Educations do time may be available under the provisions of 37 GR 113(6). In no event, bowers, may a neyly be timely filed after 10 kg (5) MCNTHS item the mailing date maintened and the maintened address of 37 GR 113(6). In no event, bowers, may a neyly be timely filed after 10 kg (5) MCNTHS item the mailing date of this communication. Failuse to report within the sid or canded period for regiven they the light and the correction of the communication of the maintened address of the communication, even if timely filed, may reduce any variety precives by the Office has then these months after the mailing date of this communication, even if timely filed, may reduce any variety provided that agreement the mailing date of this communication, even if timely filed, may reduce any variety provided that majority of the mail to the correction of the mail to construct the provided of the correction of the mail to construct the mailing date of this communication, even if timely filed, may reduce any variety provided to the sound of the mail to construct the mailing date of this communication. 1) Responsive to communication (5) filed on 23 November 2005. 2(a) This action is FINAL. 2b) This action is non-final. 2) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under £x parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-13, 15 and 19-24 is/are pending in the application. 4a) Of the above claim(s) is/are allowed. Claim(s) 1-13, 15 and 19-24 is/are pending in the application. 4a) Of the above claim(s) is/are allowed. Claim(s) 1-13, 15 and 19-24 is/are pending in the application. 4a) Of the above claim(s) is/are allowed.		Examiner	Art Unit	
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Exercises of time may be available under the provisions of 37 CFR 1-356), in no event, however, may a may be timely filled. Exercises of time may be available under the provisions of 37 CFR 1-356), in no event, however, may a may be timely filled. Exercises of time may be available under the provisions of 37 CFR 1-356), in no event, however, may a may be timely filled. Exercises of time may be available under the provisions of 37 CFR 1-356). Fallule to reply viction the set or extended precise for reply will, by studies, cause the application to become ABANDONED (55 U.S.C. § 133). Any reply receives by the Official extends the thin there mentions after the realing date of this communication, even if timely filled, may reduce any example patients turn adjustment. See 37 CFR 1-7646). Status 1) Responsive to communication(s) filled on 23 November 2005. 2a) This action is FINAL. 2b) This action is FINAL. 2b) This action is FINAL. 2c) This action is FINAL. 2b) This action is FINAL. 2c) This action is FINAL. 2d) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-13.15 and 19-24 is/are pending in the application. 4a) Of the above claim(s) is/are allowed. (b) Claim(s) 10.12.15 and 19 is/are rejected. 7) Claim(s) 11.13.20-24 is/are objected to. (claim(s) 11.13.20-24 is/are objected to estriction and/or election requirement. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1		Agnes B. Rooke	1653	
WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Estamblions of time may be available under the proteins of 37 CPR 1.73Eq). The overesh, however, may a reply be timely find other SIX (6) MONTHS from the mailing date of this communication. If NO protein or reply is specified above, the reasonine statistic proteins and will apply a	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply			
1) Responsive to communication(s) filed on 23 November 2005. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-13.15 and 19-24 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) 10.12.15 and 19 is/are rejected. 7) Claim(s) 10.12.15 and 19 is/are rejected. 7) Claim(s) 10.13.20-24 is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) cocepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) to objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1 Certified copies of the priority documents have been received. 2 Certified copies of the priority documents have been received in Application No 3 Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). *See the attached detailed Office action for a list of the certified copies not received.	 WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any 			
2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-13.15 and 19-24 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 10.12.15 and 19 is/are rejected. 7) Claim(s) 11.13. 20-24 is/are objected to. 8) Claim(s) 11.13. 20-24 is/are objected to. 8) Claim(s) 11.13. 20-24 is/are objected to. 8) Claim(s) 11.13 20-24 is/are objected to. 8) Claim(s) 11.13 20-24 is/are objected to. 8) Claim(s) 11.13 20-24 is/are objected to. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some c) None of: 1. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.	Status			
2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-13.15 and 19-24 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 10.12.15 and 19 is/are rejected. 7) Claim(s) 11.13. 20-24 is/are objected to. 8) Claim(s) 11.13. 20-24 is/are objected to. 8) Claim(s) 11.13. 20-24 is/are objected to. 8) Claim(s) 11.13 20-24 is/are objected to. 8) Claim(s) 11.13 20-24 is/are objected to. 8) Claim(s) 11.13 20-24 is/are objected to. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some c) None of: 1. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.	1) Responsive to communication(s) filed on 23 No.	ovember 2005.		
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s)				
closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4)	,			
4) Claim(s) 1-13.15 and 19-24 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 10.12.15 and 19 is/are rejected. 7) Claim(s) 11.13, 20-24 is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) ceepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.	·— ··			
4a) Of the above claim(s) is/are withdrawn from consideration. 5) □ Claim(s) is/are allowed. 6) □ Claim(s) 10.12.15 and 19 is/are rejected. 7) □ Claim(s) 11.13. 20-24 is/are objected to. 8) □ Claim(s) are subject to restriction and/or election requirement. Application Papers 9) □ The specification is objected to by the Examiner. 10) □ The drawing(s) filed on is/are: a) □ accepted or b) □ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) □ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) □ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) □ All b) □ Some * c) □ None of: 1. □ Certified copies of the priority documents have been received. 2. □ Certified copies of the priority documents have been received in Application No 3. □ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.	Disposition of Claims			
4a) Of the above claim(s) is/are withdrawn from consideration. 5) □ Claim(s) is/are allowed. 6) □ Claim(s) 10.12.15 and 19 is/are rejected. 7) □ Claim(s) 11.13. 20-24 is/are objected to. 8) □ Claim(s) are subject to restriction and/or election requirement. Application Papers 9) □ The specification is objected to by the Examiner. 10) □ The drawing(s) filed on is/are: a) □ accepted or b) □ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) □ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) □ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) □ All b) □ Some * c) □ None of: 1. □ Certified copies of the priority documents have been received. 2. □ Certified copies of the priority documents have been received in Application No 3. □ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.	4)⊠ Claim(s) 1-13,15 and 19-24 is/are pending in the application.			
6) Claim(s) 10.12.15 and 19 is/are rejected. 7) Claim(s) 11.13. 20-24 is/are objected to. 8) Claim(s) 11.13. 20-24 is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.				
6) Claim(s) 10.12.15 and 19 is/are rejected. 7) Claim(s) 11.13. 20-24 is/are objected to. 8) Claim(s) 11.13. 20-24 is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.	5) Claim(s) is/are allowed.			
Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some *c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	6)⊠ Claim(s) <u>10,12,15 and 19</u> is/are rejected.			
Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some *c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)				
9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	8) Claim(s) are subject to restriction and/or election requirement.			
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Application Papers			
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	9)☐ The specification is objected to by the Examiner.			
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	· — · · · · · · · · · · · · · · · · · ·			
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)				
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some col None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)				
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.			
a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Priority under 35 U.S.C. § 119			
2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date	a) ☐ All b) ☐ Some * c) ☐ None of:			
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) 1 Interview Summary (PTO-413) Paper No(s)/Mail Date.				
application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Attachment(s) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date.				
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date.	application from the International Bureau (PCT Rule 17.2(a)).			
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date.	* See the attached detailed Office action for a list of the certified copies not received.			
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date.				
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Attachment(s)			
Z/ Notice of Prairie Property and A 15 15 (PTO 450)				
Paper No(s)/Mail Date 6) Other:	3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)	5) Notice of Informal P		

DETAILED ACTION

This final action is in response to the Applicant's reply filed on 11/23/2005.

Claims 10-13,15, and 19-24 are pending. Claim 14 has been cancelled. New claims 19-24 have been added.

The amendments to the claims filed on 11/23/2005 have been acknowledged.

This application claims foreign priority to GERMANY 10246125.2 filed on 10/01/2002.

All Objections and Rejections not mentioned in this office action are withdrawn.

Rejections Maintained

Claim Rejections - 35 USC § 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 10 and 15 stand rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The claim(s) contains subject matter, which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention.

Claim 10 and 15 stand rejected under 35 U.S.C. 112, first paragraph, because the specification, while being enabling for a method of producing a concentrate of VIII:C containing von Willebrand factors comprising subjecting a liquid comprising factor VIII:C and Willebrand factor to fractional precipitation using glycine and NaCl wherein the fractional concentration of glycine is 70-160 g/l and the fractional concentration of NaCl is 100-160 g/l, and does not reasonably provide enablement for all amino acids and all metal salts. The specification does not enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make the invention commensurate in scope with these claims.

The specification does not enable a person skilled in the art to which it pertains, or with which it is mostly connected, to make or use the invention commensurate in scope with these claims. In *In re Wands*, 8 USPQ2d 1400 (1988), factors to be considered in determining whether a disclosure meets the enablement requirement of 35 U.S.C. 112, first paragraph, have been described. They are: 1) the nature of the invention, 2) the breadth of the claims, 3) the state of the prior art, 4) the predictability or lack thereof in the art, 5) the amount of direction or guidance present, 6) the presence or absence of working examples, 7) the quantity of experimentation needed, and 8) the level of the skill in the art.

1) the nature of the invention: the invention is a process for producing a concentrate of a factor VIII:C containing von Willebrand factor by fractional precipitation using amino acids and metal salt;

Application/Control Number: 10/670,563

Art Unit: 1653

2) the breadth of the claims: claims are broad because they claim any amino acid and/or any alkali or alkaline metal salt that can be used in the process; further, more than one of that metals can be used, as referred to it in claim 10; further in claim 15, the conditions for the stabilization and pasteurization of the concentrate or the concentrate precursors should be provided;

Page 4

- 3) the state of the prior art: the prior art discloses a similar method where glycine and NaCl are used in the process; pasteurization process is known, however chemical conditions for the stabilization of the concentrate or the concentrate precursor should be disclosed, since they are specific for the claims at issue;
- 4) the predictability or unpredictability of the art: claim 10 states that any amino acid and any alkali or alkaline metal salt (or combination of these) could be used in the method, and therefore, there could be many potential candidates of amino acids or metals, which are used in the method. Thus, the art is unpredictable, since undue experimentation would be necessary to characterize all possible amino acids and the metals claimed; further, the art is unpredictable for claim 15 also, since it would be an undue burden to characterize conditions for stabilization of the concentrate precursor;
- 5) the amount of direction or guidance present: in Experiment 1, the Applicants describe the use of glycine as an amino acid and NaCl as a salt; in the specification the conditions for stabilization of the concentrate precursor for claim 15 are not disclosed;
- 6) the presence or absence of working examples: the disclosure identifies only glycine and NaCl that are used in the instant method; there are no working examples for the stabilization of the concentrate precursor for claim 15;

7) the quantity of experimentation necessary: there would be an undue experimentation necessary to determine, and characterize all possible amino acids and metal salts that could be used in the method in claim 10; and there would be an undue experimentation to characterize the stabilization conditions of the concentrate precursor in claim 15:

Page 5

8) the relative skill of those skilled in the art: the skill in the art is high, since similar method, which uses glycine and NaCl is known in the art.

In consideration of the *In re Wands* factors 1-8, it is apparent that there is undue experimentation necessary because of variability in prediction of the outcome that is not addressed by the present application disclosure, example, teachings, and guidance presented. Absent factual data to the contrary, the amount and level of experimentation needed is undue, rendering claim 10 subject to the scope of enablement rejection.

Applicants responded to the enablement rejection by providing different examples from the specification, for example, Example 3 that teaches precipitation of the vWF/FVIII:C fraction with glycine and NaCl, and state that the amino acid and alkali metal or alkaline earth metal salt can be easily tested and thus no undue experimentation is required. Further, the Applicants responded that the terms "pasteurizing" and "stabilizing" are adequately described and defined.

Examiner respectfully disagrees, and states that an undue experimentation would be required to test all claimed possible metals and amino acids, since experimentation data only provides glycine and NaCl, and no other experimental data is

presented. Also, an undue experimentation would be necessary to find out the conditions for stabilization of the concentrate precursor.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter, which the applicant regards as his invention.

Claims 10 and 15 stand rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 10 is indefinite because the value for the ratio "greater than 1" is not provided.

Applicants responded that because no maximum is given for the ratio of vWF:RcoF activity to vWF:Ag, does not mean that in light of the specification, one of ordinary skill in the art would not understand what is being claimed.

Examiner respectfully disagrees because a value greater that 1 is indefinite, since a reasonable range should be provided to make the claim definite.

In Claim 15, the word "precursor" is indefinite, since the structure or name of the precursor is not provided in the claim; also it is not clear how the process is stabilized and pasteurized (for example, claim lacks a temperature range, pH, and most appropriate time frame is missing from the claim).

Applicants responded that the claim is directed to a "process for producing a concentrate" and that a "precursor product" is any substance that precedes the final formation of the concentrate.

Examiner respectfully disagrees and requires further specification of the precursor in the claim, and additional information how the process is stabilized.

New Rejections

Claim Rejections - 35 USC § 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claim 19 is rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter, which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

Claim 19 is rejected under 35 U.S.C. 112, first paragraph, because the specification, while being enabling for a method of producing a concentrate of VIII:C containing von Willebrand factors comprising subjecting a liquid comprising factor VIII:C and Willebrand factor to fractional precipitation using glycine and NaCl wherein the fractional concentration of glycine is 70-160 g/l and the fractional concentration of NaCl is 100-160 g/l, and does not reasonably provide enablement for all amino acids and all

metal salts. The specification does not enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make the invention commensurate in scope with these claims.

The specification does not enable a person skilled in the art to which it pertains, or with which it is mostly connected, to make or use the invention commensurate in scope with these claims. In In re Wands, 8 USPQ2d 1400 (1988), factors to be considered in determining whether a disclosure meets the enablement requirement of 35 U.S.C. 112, first paragraph, have been described. They are: 1) the nature of the invention, 2) the breadth of the claims, 3) the state of the prior art, 4) the predictability or lack thereof in the art, 5) the amount of direction or guidance present, 6) the presence or absence of working examples, 7) the quantity of experimentation needed, and 8) the level of the skill in the art.

- 1) the nature of the invention: the invention is a process for producing a concentrate of a factor VIII:C containing von Willebrand factor by fractional precipitation using amino acids and metal salt;
- 2) the breadth of the claims: claims are broad because they claim any amino acid and/or any alkali or alkaline metal salt that can be used in the process; further, more than one of that metals can be used, as referred to it in claim 19.
- 3) the state of the prior art: the prior art discloses a similar method where glycine and NaCl are used in the process;
- 4) the predictability or unpredictability of the art: claim 10 states that any amino acid and any alkali or alkaline metal salt (or combination of these) could be used in the

method, and therefore, there could be many potential candidates of amino acids or metals, which are used in the method. Thus, the art is unpredictable, since undue experimentation would be necessary to characterize all possible amino acids and the metals claimed:

- 5) the amount of direction or guidance present: in Experiment 1, the Applicants describe the use of glycine as an amino acid and NaCl as a salt;
- 6) the presence or absence of working examples: the disclosure identifies only glycine and NaCl that are used in the instant method;
- 7) the quantity of experimentation necessary: there would be an undue experimentation necessary to determine, and characterize all possible amino acids and metal salts that could be used in the method;
- 8) the relative skill of those skilled in the art: the skill in the art is high, since similar method, which uses glycine and NaCl is known in the art.

In consideration of the *In re Wands* factors 1-8, it is apparent that there is undue experimentation necessary because of variability in prediction of the outcome that is not addressed by the present application disclosure, example, teachings, and guidance presented. Absent factual data to the contrary, the amount and level of experimentation needed is undue, rendering claim 19 subject to the scope of enablement rejection.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter, which the applicant regards as his invention.

Claim 12 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 12 is indefinite, since NaCl is an alkali metal salt, and not an alkaline earth metal salt, as it is claimed.

Objections to Claims

Claims 11, 13 and 20-24 are objected to because they depend from rejected independent claims, which are presently not allowed.

Conclusion

No claims are allowed.

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

Application/Control Number: 10/670,563 Page 11

Art Unit: 1653

the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Agnes Rooke whose telephone number is 571-272-2055. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jon Weber can be reached on 571-273-0925. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197.

AR

ROBERT A. WAX
PRIMARY EXAMINER